

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s): Timothy E. Benson

Docket No.: 6245.N DV1

Title: CRYSTALLIZATION AND STRUCTURE DETERMINATION OF *STAPHYLOCOCCUS AUREUS* THYMIDYLATE KINASE

Assistant Commissioner for Patents

**Mail Stop PATENT APPLICATION**

P.O. Box 1450

Alexandria, VA 22313-1450

We are transmitting the following documents along with this Transmittal Sheet (which is submitted in triplicate):

☒ UTILITY PATENT APPLICATION including:

☒ Specification (63 consecutively numbered pgs, including 54 claims on 14 consecutively numbered pgs and a 1 pg Abstract);

☐ Drawings

☒ A copy of the signed Declaration and Power of Attorney filed in the prior application (2 pgs).

☒ Application Data Sheet (2 pgs).

☒ An itemized return postcard.

☒ Paper Copy of "Sequence Listing" (4 pgs) and Request for Transfer of Previously Filed Sequence Listing (1 pg).

☒ Other: Request for Filing a Divisional Patent Application under Rule 1.53(b) - (3 pgs); Preliminary Amendment (20 pgs); and Formal Drawings (11 figures on 219 sheets).

☒ A check in the amount of \$3,430 to pay the filing fee, which is calculated below:

APPLICATION FILING FEE					
	Number of Pending Claims (1)	Claims Included in Basic Filing Fee (2)	Number of Extra Claims (1-2)	Cost per Extra Claim	Fee Required
Total Claims	80	- 20 =	60	x \$18 =	\$1,080
Independent Claims	18	- 3 =	15	x \$86 =	\$1,290
One or More Multiple Dependent Claims Presented? If Yes, Enter \$290 Here →					\$290
Enter Basic Filing Fee (Utility Patent-\$770) Here →					\$770
<b>Total Application Filing Fee</b>					<b>\$3,430</b>

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 13-4895. Triplicate copies of this sheet are enclosed.

MUETING, RAASCH & GEBHARDT, P.A.

Customer Number: 26813

By: 

Name: Loren D. Albin

Reg. No.: 37,763

Direct Dial: 612-305-1225

Facsimile: 612-305-1228

**CERTIFICATE UNDER 37 CFR §1.10:**

"Express Mail" mailing label number: EV 073687660 US

Date of Deposit: JANUARY 8, 2004

I hereby certify that the Transmittal Letter and the paper(s) and/or fee(s), as described hereinabove, are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR §1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Mail Stop PATENT APPLICATION, P.O. Box 1450, Alexandria, VA 22313-1450.

By: 

Name: SAM HER

(LARGE ENTITY TRANSMITTAL UNDER RULE 1.10)

31355 U.S. PTO  
10/754929



010804

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Docket Number	Anticipated Classification		Prior Application	
6245.N DV1	Class	Subclass	Examiner Shubo "Joe" Zhou	Art Unit 1631

**REQUEST FOR FILING A DIVISIONAL PATENT APPLICATION  
UNDER RULE 1.53(b)**

Assistant Commissioner for Patents  
Mail Stop PATENT APPLICATION  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This is a request for filing a divisional application under 37 CFR §1.53(b) of Serial No. 09/632,553, Confirmation No. 1845, filed August 4, 2000, entitled CRYSTALLIZATION AND STRUCTURE DETERMINATION OF *STAPHYLOCOCCUS AUREUS* THYMIDYLATE KINASE, which claims the benefit of U.S. Provisional Application Serial No. 60/147,117, filed August 4, 1999, by the following inventor(s) (name, address, and citizenship):

**Timothy E. Benson**  
1848 Braumton Court  
Chesterfield, MO 63017  
Citizenship: U.S.

1.   X   Enclosed is a copy of the specification (including claims and abstract) as filed in the prior application.
2.      Enclosed is a new specification (including claims and abstract). The entire disclosure of the prior application is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference. No new matter has been added.
3.   X   Enclosed is a copy of the Declaration and Power of Attorney filed in the prior application.
4.      Enclosed is a newly executed Declaration and Power of Attorney.
5.   X   Enclosed are Formal Drawings (219 sheets).
6.   X   Before calculating the filing fee, cancel in this application claims 47-54, as described in the attached Preliminary Amendment. (At least one independent claim must be retained for filing purposes.)

Filed: Herewith

Title: CRYSTALLIZATION AND STRUCTURE DETERMINATION OF STAPHYLOCOCCUS AUREUS THYMIDYLATE KINASE7. X A preliminary amendment is enclosed.8. X The filing fee is calculated below:

CLAIMS AS FILED			
NUMBER FILED	NUMBER EXTRA	RATE	BASIC FEE \$770
Total Claims 80-20 =	60	\$18	\$1,080
Independent Claims 18-3 =	15	\$86	\$1,290
MULTIPLE DEPENDENT CLAIM PRESENTED		\$290	\$290
FILING FEE:			<b>\$3,430</b>

9. X A check in the amount of \$3,430 is attached.10. X The Commissioner is hereby authorized to charge any additional fees as set forth in 37 CFR §1.16 to 1.18 which may be required by this paper or credit any overpayment to Account No. 13-4895.11.    This application is being filed by less than all of the inventors named in the prior application. Please delete the names of the following inventor(s) who are not inventors of the invention claimed in the present application:12.    Priority of foreign application Serial No.   , filed on    in (country)    is claimed under 35 U.S.C. §119.13. X The prior application is assigned of record to Pharmacia & Upjohn Company.14. X The Power of Attorney in the prior application is to:

**Loren D. Albin**  
 Mueting, Raasch & Gebhardt, P.A.  
 P.O. Box 581415  
 Minneapolis, MN 55458-1415  
**Customer Number 26813**

15.    Small Entity Status is entitled to be asserted in the above-identified application.16. X Application Data Sheet (2 pgs).

Filed: Herewith

Title: CRYSTALLIZATION AND STRUCTURE DETERMINATION OF STAPHYLOCOCCUS AUREUS THYMIDYLATE KINASE

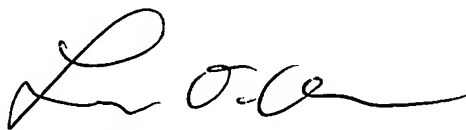
17. X Other: Request for Transfer of Previously Filed Sequence Listing (1 pg); and paper copy of Sequence Listing (4 pgs).

**Address all future communications to:**

MUETING, RAASCH & GEBHARDT, P.A.  
P.O. Box 581415  
Minneapolis, Minnesota 55458-1415  
**Customer Number 26813**

Attn: Loren D. Albin  
(Telephone: 612-305-1220)  
(Facsimile: 612-305-1228)

Date: January 8, 2004



Loren D. Albin  
Reg. No. 37,763  
Direct Dial (612)305-1225

"Express Mail" mailing label number: **EV 073687660 US**

Date of Deposit: **JANUARY 8, 2004**

I hereby certify that this paper and/or fee is/are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Mail Stop PATENT APPLICATION, P.O. Box 1450, Alexandria, VA 22313-1450.



Name: Sam Her